

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D022-661 REV. B AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D022-661 REV. 0  
OR LATER APPROVED REVISION

REF. TCCA STC: SH02-9

REF. FAA STC: SR01493NY

## **1.0 Purpose**

The purpose of this Dart Service Instruction (DSI) is to provide instructions to install the D022-661-041 Wearplate Kit as part of the D022-661-011 Bearpaw Kit in order to provide additional protection for the bearpaw and better grip on slippery surfaces.

## **2.0 Installation**

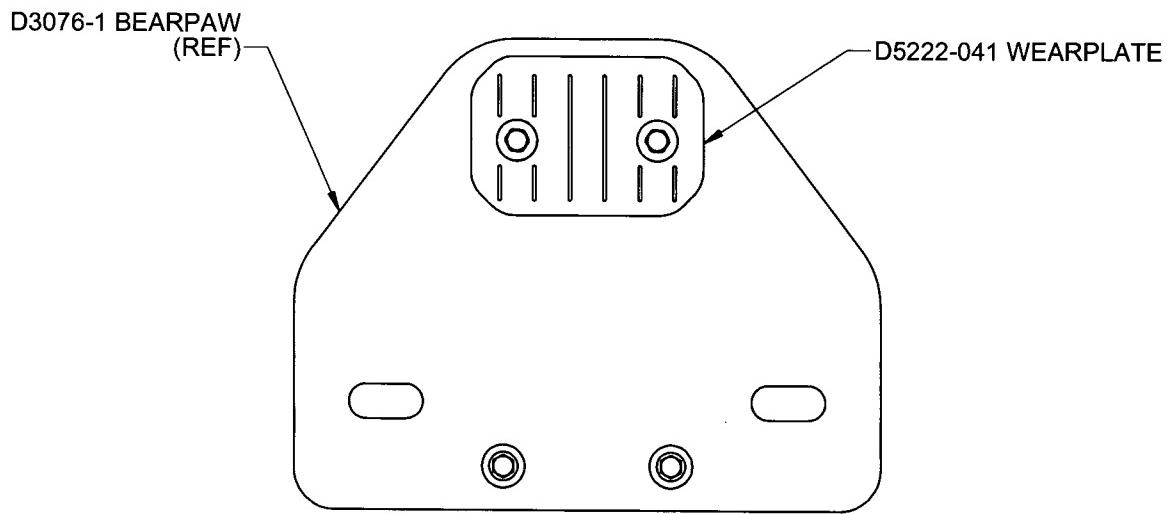
- 2.1. Lift the skidtube per the Aircraft Maintenance Manual. Ensure the skidtubes are serviceable. Remove the forward set of bolts on the D022-661-011 Bearpaws per ICA-D022-661 and retain hardware. Bearpaws may be removed at customer's option.
- 2.2. Locate a D5222-041 Wearplate on the bottom side of each D3076-1 Bearpaw per Figure 1.
- 2.3. Ensure the D3076-1 Bearpaw and D5222-041 Wearplate are positioned on the aft end of each skidtube as shown in Figure 2.
- 2.4. Lower the aircraft so the aircraft is resting on the bearpaws.
- 2.5. Attach the D2870 Clamp with the hardware shown in Figure 3  
**CAUTION: The torque on the nuts should be limited to 20 in-lb (2.3 Nm).**

NOTE: Additional NAS1149D0463J washers may be installed under the nuts to ensure 1.5-4 threads in safety on the bolts. Although not generally necessary, it is acceptable to replace the AN4 bolts with longer or shorter AN4 bolts if required.

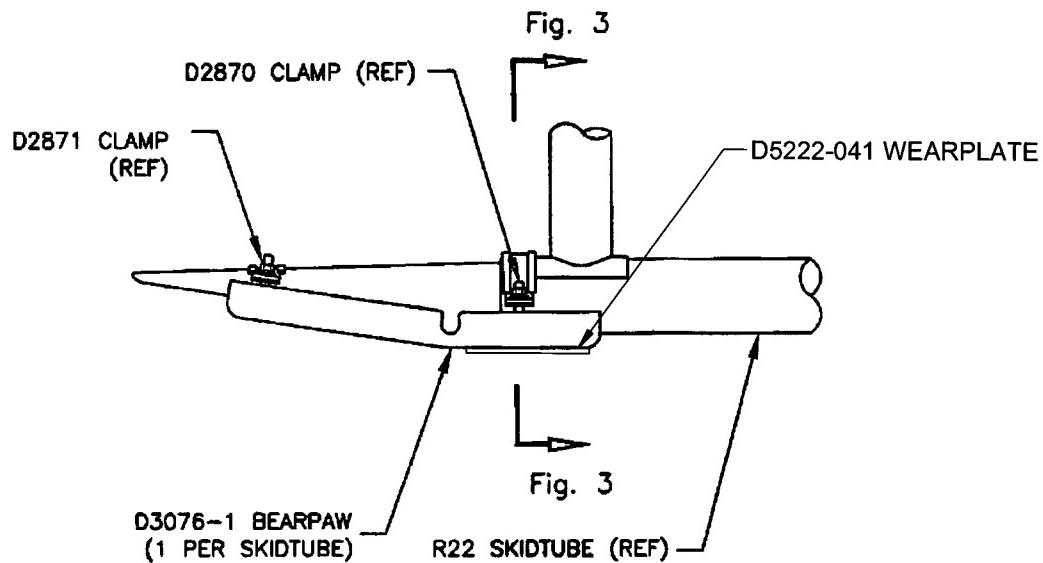
- 2.6. Update aircraft log book to indicate installation of D022-661-041 Wearplate kit and adjust weight and balance record of the aircraft with the weight and balance data provided in Section 3 of this DSI.

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
<b>APPROVED</b>	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	15.02.04
CERT. NO.:	SH02-9
ISSUE NO.:	1

A	NEW ISSUE		VS	15.02.04
REV.	DESCRIPTION		BY	DATE
DESIGN	VS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
DRAWN	VS			
CHECKED	RF	DRAWING NO.		REV. A
MFG. APPR.	N/A	DSI 9717		SHEET 1 OF 4
APPROVED	HS	TITLE		SCALE
DE APPR.		WEARPLATE INSTALLATION		NTS
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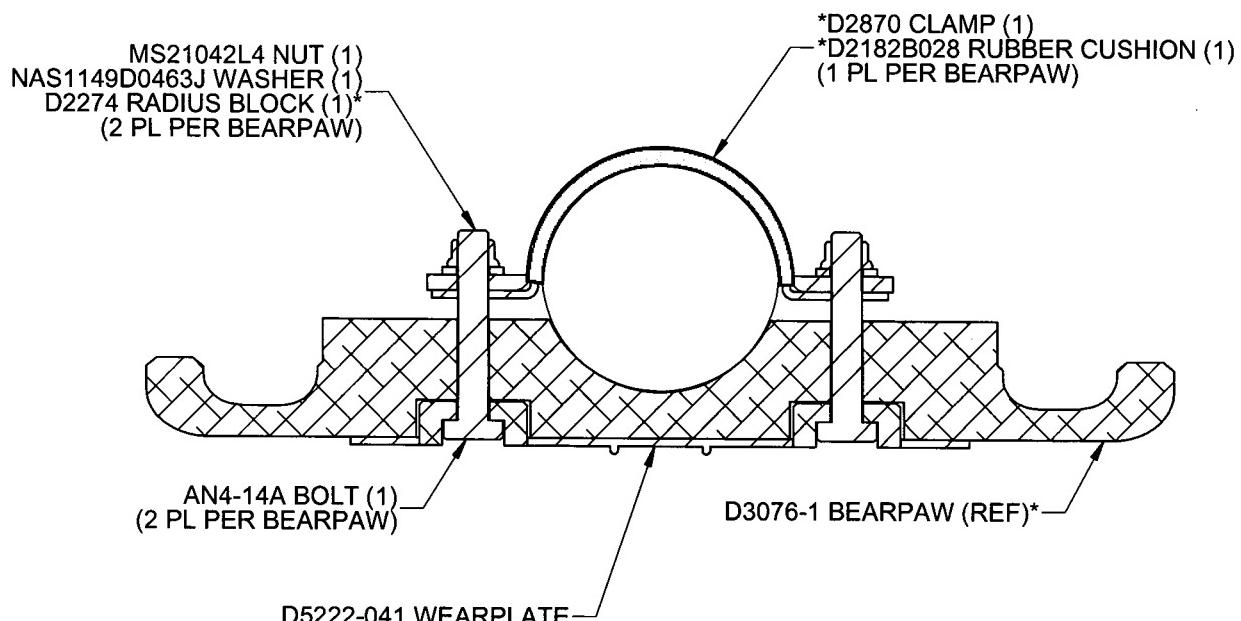
**Figure 1 - Installation of D5222-041 Wearplate on D3076-1 Bearpaw**  
(View from under bearpaw)



**Figure 2 - Bearpaw Location**  
(Side View)

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BY:	<i>[Signature]</i>
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**Figure 3 - Bearpaw Installation**  
(Forward Clamp)

\*Included in D022-661-011

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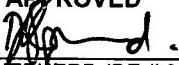
### 3.0 Weight and Balance

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D022-661-041 Wearplate kit	0.84 lb 0.38 kg	0.0 in 0.0 m	0.0 lb-kg 0.0 m-kg	118.3 in 3.00 m	99.4 in-lb 1.14 m-kg

### 4.0 Parts List

QTY -041	Part Number	Description
X	D022-661-041	WEARPLATE KIT
2	D5222-041	WEARPLATE
4	AN4-14A	BOLT
4	MS21042L4	NUT
4	NAS1149D0436J	WASHER

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